

# MechaTronix in LED

– PRODUCT BRIEF –

## BJB GH36d Modular Passive Star LED Cooler ø99mm



### Features & Benefits

- The BJB LED star cooler GH36d is specifically designed for luminaires using the BJB GH36d series LED modules and various brands of COB LED modules mounted by BJB Zhaga Book 3 or Zhaga Book 11 LED holders.
- For spot and downlight designs from 4,300 to 8,600 lumen
- Thermal resistance Rth 1.1°C/W
- Modular design with mounting holes foreseen for direct mounting of BJB GH36d series LED modules with BJB lampholder by twist and lock system, Zhaga Book 3 and Zhaga Book 11 LED holders.
- Diameter 99mm - Standard height 80mm  
Other heights on request
- Extruded from highly conductive aluminum



### Order Information



Example : BJB LED star cooler GH36d 9980-B

BJB LED star cooler GH36d 99 **1** - **2**

- 1** Height (mm)
- 2** Anodising Color  
B - Black  
C - Clear

The BJB LED star cooler GH36d is designed in this way that you can mount various BJB GH36d series and Zhaga standard LED modules on the same LED cooler

Simple mounting with pre-tapped screw holes

Recommended screw force 6lb/in

Screws are available from MechaTronix

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### Product Details

Model n°	BJB LED Star Cooler GH36d 9980
Dimension (mm) <sup>*1</sup>	ø99 x h80
Volume (mm <sup>3</sup> )	253767
Cooling Surface (mm <sup>2</sup> )	128386
Weight (gr)	685
Thermal Resistance (°C/W) <sup>*2</sup>	1.1
Power Pd (W) <sup>*3</sup>	45
Heat Sink Material	AL6063-T5

<sup>\*1</sup> 3D files are available in ParaSolid, STP and IGS on request

<sup>\*2</sup> The thermal resistance Rth is determined with a calibrated heat source of 30mm x 30mm central placed on the heat sink, Tamb 40° and an open environment. Reference data @ heat sink to ambient temperature rise Ths-amb 50°C  
The thermal resistance of a LED cooler is not a fix value and will vary with the applied dissipated power Pd

<sup>\*3</sup> Dissipated power Pd. Reference data @ heat sink to ambient temperature rise Ths-amb 50°C  
The maximal dissipated power needs to be verified in function of required case temperature Tc or junction temperature Tj and related to the estimated ambient temperature where the light fixture will be placed  
Please be aware the dissipated power Pd is not the same as the electrical power Pe of a LED module

To calculate the dissipated power please use the following formula:  $Pd = Pe \times (1-\eta_L)$

Pd - Dissipated power

Pe - Electrical power

$\eta_L$  = Light efficiency of the LED module

### Notes:

- MechaTronix reserves the right to change products or specifications without prior notice.
- Mentioned models are an extraction of full product range.
- For specific mechanical adaptations please contact MechaTronix.